

Self-energy function of quantum-dot states and resonance fluorescence

Gainutdinov R., Khamadeev M., Mohebbifar M., Mutygullina A.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© Published under licence by IOP Publishing Ltd. We investigate the energy dependence of self-energy functions of quantum-dot states that describe the interaction of quantum dots with vacuum. It is shown that the variation of these self-energy functions can be significant and this can have a significant effect on processes of quantum interference from quantum dots.

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